

**AWE Burghfield Site Emergency Plan**

**Alteration of the Approved Site Emergency Plan**

Project Assessment Report ONR-DEF-PAR-15-14  
Revision 0  
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## EXECUTIVE SUMMARY

### **Alteration of the Approved Site Emergency Plan**

#### **Permission requested**

The Licensee has requested ONR's 'Approval' under Licence Condition 11(3) for the substitution of the document titled AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, Issue 5, February 2016, for the document titled AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, Issue 4, January 2013.

#### **Assessment and inspection work carried out by ONR in consideration of this request**

ONR's assessment has been limited to determining the extent of the proposed changes relative to the previous issue and their material significance with regard to the on-site emergency arrangements. ONR judges that the proposed amendments are limited to nomenclature etc, and do not affect the principles of operation of the plan.

#### **Conclusion**

It is concluded that the proposed amendments are minimal in nature (nomenclature etc) and do not require any demonstration prior to implementation.

#### **Recommendation**

It is recommended that Licence Instrument LI 532 be issued to Approve the substitution of Issue 5 of the AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, for Issue 4. Licence Instrument 525 which was granted on the 7 February 2013 by the Health and Safety Executive shall be withdrawn.

## LIST OF ABBREVIATIONS

ALARP	As low as reasonably practicable
BSL	Basic Safety level (in SAPs)
BSO	Basic Safety Objective (in SAPs)
CNS	Civil Nuclear Security (ONR)
HOW2	(Office for Nuclear Regulation) Business Management System
HSE	The Health and Safety Executive
IAEA	The International Atomic Energy Agency
NDA	Nuclear Decommissioning Authority
ONR	Office for Nuclear Regulation
PCER	Pre-construction Environment Report
PCSR	Pre-construction Safety Report
PSA	Probabilistic Safety Assessment
PSR	Preliminary Safety Report
RGP	Relevant Good Practice
SAP	Safety Assessment Principle(s)
SFAIRP	So far as is reasonably practicable
SSC	Structure, System and Component
TAG	Technical Assessment Guide (ONR)

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## **1 PERMISSION REQUESTED**

1 The Licensee has requested [11] ONR's 'Approval' under Licence Condition 11(3) for the substitution of the document titled AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, Issue 5 and dated February 2016 [10], for the document titled AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, Issue 4 and dated January 2013 [3].

## **2 BACKGROUND**

2 The AWE Burghfield nuclear licensed site is owned by the Ministry of Defence and operated by AWE plc. The site contains a wide range of scientific and industrial facilities some of which undertake licensable activities. Licence Condition 11(1) attached to Nuclear Site Licence No. 78A requires AWE to make and implement adequate arrangements for dealing with any accident or emergency arising on the site and their effects. The Office for Nuclear Regulation (ONR) Specified [15] under Licence Condition 11(2), that AWE submit the Emergency Plan for Approval and that the plan may not be altered or amended without the ONR's Approval under Licence Condition 11(3). Licence Instrument 525 [14] was issued 7 February 2013 approving the document titled AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, Issue 4 and dated January 2013 [3].

3 The scope of this assessment covers the substitution of the document titled AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, Issue 5 and dated February 2016 [10], for the document titled AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, Issue 4 and dated January 2013 [3]. An early version, for consideration, of Issue 5 was provided to ONR in January 2016, having been considered by AWE's Nuclear Safety Committee on 19 January 2016 [6] and endorsed at the AWE Site Governance Meeting on 27 January 2016 [7].

## **3 ASSESSMENT AND INSPECTION WORK CARRIED OUT BY ONR IN CONSIDERATION OF THIS REQUEST**

4 In January 2016, AWE provided [4] an early version, for consideration, of Issue 5 of the Burghfield Site Emergency Plan, together with a change log [5] detailing the changes relative to Issue 4 [3].

5 ONR assessment has been limited to determining the extent of the proposed changes and their material significance with regard to the emergency arrangements.

6 ONR provided comments on the text of the plan [8] which were discussed [9] and where necessary taken into account in an updated issue. The updated issue 5 was subsequently re-examined by ONR in February 2016 [10].

7 ONR considers the proposed changes to the plan to be minor, in that they are intended to improve clarity and accuracy of the text and to reflect changes in terminology and the titles of job roles and organisations since the previous issue 4. ONR judges that the proposed amendments do not change the principles of operation of the plan. Consequently, it is appropriate for ONR to Approve the amended plan.

## **4 MATTERS ARISING FROM ONR'S WORK**

8 A standard Licence Instrument has been agreed with the HSE Legal Adviser's Department for alteration or amendment to approved arrangements under Licence Condition 11(3). This standard format has been adopted for the Approval of the AWE Burghfield Emergency Site Plan.

## **5 OTHER GOVERNMENT DEPARTMENT LIAISON**

- 9 ONR has liaised with the Defence Nuclear Safety Regulator (DNSR) and the Health & Safety Executive's Hazardous Installations Directorate (HID) in their roles as relevant competent authorities for this approval.
- 10 DNSR have confirmed [12] that the defence nuclear programme detailed design information is valid and has been appropriately used.
- 11 HID have confirmed [13] that there are no reasons not to approve the substitution of Issue 5 of the AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, for Issue 4.

## **6 CONCLUSIONS**

- 12 It is concluded that the proposed amendments to the AWE Burghfield Emergency Plan are minimal in nature (nomenclature etc) and do not require any demonstration prior to implementation.

## **7 RECOMMENDATIONS**

- 13 This project assessment report recommends that Licence Instrument LI 532 be issued to Approve the substitution of Issue 5 of the AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, for Issue 4. Licence Instrument 525 which was granted on the 7 February 2013 by the Health and Safety Executive shall be withdrawn.

## 8 REFERENCES

- 1 ONR HOW2 Guide - Purpose and Scope of Permissioning - NS-PER-GD-014 Revision 4. July 2014. <http://www.onr.org.uk/operational/assessment/index.htm>
- 2 AWE request for approval to the alteration of the AWE Burghfield Site Emergency Plan AWE/DI/SRG/02/01/1050, Issue 5, dated January 2016 TRIM 2016/38852
- 3 AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, Issue 4, dated January 2013 TRIM 2016/35747
- 4 AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, Issue 5, dated January 2016 TRIM 2016/38852
- 5 AWE Aldermaston & Burghfield Site Emergency Plan, Issue 5 – Amendments, Rationale and Impacts Schedule EDMS3/802A6774/SC058/SRG1, TRIM 2016/38852
- 6 Minutes of AWE Nuclear Safety Committee Meeting Number 01/16 referenced NSC/3259 January 2016 TRIM 2016/49099
- 7 Minutes of AWE Site Governance Meeting Number 062 January 2016 TRIM 2016/75313
- 8 ONR – AWE – AWE Burghfield Site Emergency Plan Issue 5 January 2016 – Review Comments – M Cowen, TRIM 2016/44537
- 9 ONR-DEF-CR-15-287 Level 4 – Discussion on the updates to the AWE Emergency Site Plans – 2nd February 2016, TRIM 2016/48584
- 10 AWE Burghfield Emergency Plan AWE/DI/SRG/02/01/1050, Issue 5, dated February 2016 TRIM 2016/84245
- 11 AWE request for approval to the alteration of the AWE Burghfield Site Emergency Plan AWE/DI/SRG/02/01/1050, Issue 5, dated February 2016 TRIM 2016/84245
- 12 DNSR Statement to ONR for Site Emergency Plans for AWE A & B sent to ONR for approval under LC 11 (3) TRIM 2016/52580
- 13 HID email - Correspondence in - Emergency Response Plan - 10 March 2016 - M Cowen TRIM 2016/105908
- 14 AWE Burghfield - LI No 525 - letter no BUR 77265 - substitution of AWE Burghfield Site Emergency Plan issue 4 - 7 February 2013 TRIM 2013/49222
- 15 LI No 1 - Specification that the Licensee shall submit to the Executive the Burghfield Site Emergency Plan for Approval NUC/700/52/11/0/0/0-02